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1 Digital rights management for content distribution

Qiong Liu, Reihaneh Safavi-Naini, Nicholas Paul Sheppard

January 2003 ACSW Frontiers '03: Proceedings of the Australasian int security workshop conference on ACSW frontiers 2003 Volume 21

Publisher: Australian Computer Society, Inc.

Full text available: Pdf (224.63 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)

Bibliometrics: Downloads (6 Weeks): 96, Downloads (12 Months): 680, Citation (

Transferring the traditional business model for selling digital goods like media to the online world leads to the need for a system to protect digital property. Digital Rights Management(DRM) is a system to protect high-

Keywords: DRM, digital content

2 Towards improving packet probing techniques

Matthew J. Luckie, Anthony J. McGregor, Hans-Werner Braun

November 2001 IMW '01: Proceedings of the 1st ACM SIGCOMM Workshop Measurement

Publisher: ACM

Full text available: Pdf (1.04 MB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 34, Citation (

Packet probing is an important Internet measurement technique, supporting investigation of packet delay, path, and loss. Current packet probing techniques use Internet Protocols such as the Internet Control Message Protocol (ICMP) Datagram ...

Keywords: network path, packet delay, packet probing techniques

3 Digital rights management for the online music business

Sai Ho Kwok

June 2002 SI Gecom Exchanges , Volume 3 Issue 3

Publisher: ACM

Full text available: Pdf (51.88 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 238, Citation (

Digital rights management has become a pressing concern for the online music business. Existing digital rights management systems are backed by two license models, the tethered model and the untethered model. These two license models ...

Keywords: digital rights management, electronic business, electronic commerce, intellectual property, license management, online music business

4 Privacy protection for signed media files: a separation-of-duty approach for a lightweight DRM (LWDRM) system

Rüdiger Grimm, Patrick Aichroth

September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multimediasysteme und Sicherheit

Publisher: ACM

Full text available:  Pdf (256.47 KB) Additional Information: [full citation](#), [abstract](#), [referers](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 47, Citation (0)

The aim of strong digital rights management (DRM) is to enforce usage rules on devices on behalf of content providers. Strong DRM is not well accepted by consumers. Moreover, strong DRM is repeatedly circumvented and broken. Since Na...

Keywords: LWDRM, light weight digital rights management, privacy, protection, separation of duty, virtual goods

5 On implementing mpeg-21 intellectual property management and protection

Nicholas Paul Sheppard

October 2007 DRM '07: Proceedings of the 2007 ACM workshop on Digital Rights Management

Publisher: ACM

Full text available:  Pdf (229.76 KB) Additional Information: [full citation](#), [abstract](#), [referers](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 207, Citation (0)

The MPEG-21 Intellectual Property Management and Protection ("IPMP") framework specifies a framework for inter-operable and renewable digital rights management. It also specifies *IPMP tools* that implement proprietary digital rights management features. The standard is based on the principles of the MPEG REL and the I...

Keywords: MPEG REL, MPEG-21 IPMP, digital rights management, implementation, protection

6 User-level internet path diagnosis

Ratul Mahajan, Neil Spring, David Wetherall, Thomas Anderson

December 2003 SOSP '03: Proceedings of the nineteenth ACM symposium on System and network architecture

Publisher: ACM

Full text available:  Pdf (403.57 KB) Additional Information: [full citation](#), [abstract](#), [referers](#), [terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 117, Citation (0)

Diagnosing faults in the Internet is arduous and time-consuming, in part because the Internet is highly distributed and dynamic. In this paper, we...

network is composed of diverse components spread across many admin
We consider an extreme form of this problem: can end users, with no si
...

Keywords: measurement tools, path diagnosis

Also published in:

December 2003 SIGOPS Operating Systems Review Volume 37 Issue 5

7 Import/export in digital rights management

 Reihaneh Safavi-Naini, Nicholas Paul Sheppard, Takeyuki Uehara

October 2004 DRM '04: Proceedings of the 4th ACM workshop on Digital rights management

Publisher: ACM

Full text available:  Pdf (211.60 KB) Additional Information: [full citation](#), [abstract](#), [referenc](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 149, Citation (

The inherently controlled nature of digital rights management systems can promote inter-operability of systems provided by different vendors. In this paper we consider import and export functionality by which multimedia protected

Keywords: digital rights management, export, import, inter-operability

8 A measurement-friendly network (MFN) architecture

 Sridhar Machiraju, Darryl Veitch

September 2006 INM '06: Proceedings of the 2006 SIGCOMM workshop on Measurement and network management

Publisher: ACM

Full text available:  Pdf (274.23 KB) Additional Information: [full citation](#), [abstract](#), [referenc](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 28, Citation (

Using active Techniques to measure networks, that is by injecting probe messages into the network, has proved to be quite challenging for properties beyond simple end-to-end delivery. Some of the greatest difficulties have resulted from our inability to design

Keywords: MFN, active measurement, measurement-friendly network, probing

9 Implementation of a mobile MPEG-21 peer

 Shane Laut, Ian Burnett

November 2005 MULTIMEDIA '05: Proceedings of the 13th annual ACM international conference on Multimedia

Publisher: ACM

Full text available:  Pdf (91.15 KB) Additional Information: [full citation](#), [abstract](#), [referenc](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 59, Citation (

The MPEG-21 Multimedia Framework aims to realize interoperable access to digital items across heterogeneous networks and devices. Within the Framework, the concept of a Digital Item is introduced as a structured digital representation for mul

demonstrate ...

Keywords: MPEG-21, mobile applications, multimedia

10 Analysis of long duration traces

 Richard Nelson, Daniel Lawson, Perry Lorier

January 2005 SI GCOMM Computer Communication Review , Volume 35 Is
Publisher: ACM

Full text available:  Pdf (341.68 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 31, Citation (

This paper introduces a new set of long duration captures of Internet traffic. The capture is being performed on a continuous on-going basis and is approximately 100Gb in size. Based on the current extent of the archive some typical analysis has been performed.

11 Using SITDRM for privacy rights management

 Farzad Salim, Nicholas Paul Sheppard, Reihaneh Safavi-Naini

March 2007 CHI MIT '07: Proceedings of the 2007 symposium on Computer
interaction for the management of information technology

Publisher: ACM

Full text available:  Pdf (78.44 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 42, Citation (

SITDRM is a privacy protection system that protects private data through the enforcement of MPEG REL licenses provided by consumers. Direct issuance of licenses to consumers has several usability problems that will be mentioned in this paper.

Keywords: DRM, MPEG-21, P3P, privacy protection

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